

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066485.D
 Acq On : 31 Aug 2020 16:12
 Operator : VA/SY
 Sample : L3847-20
 Misc : 4.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 01 01:02:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	175983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	228052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	112194	50.00	ug/l	0.00

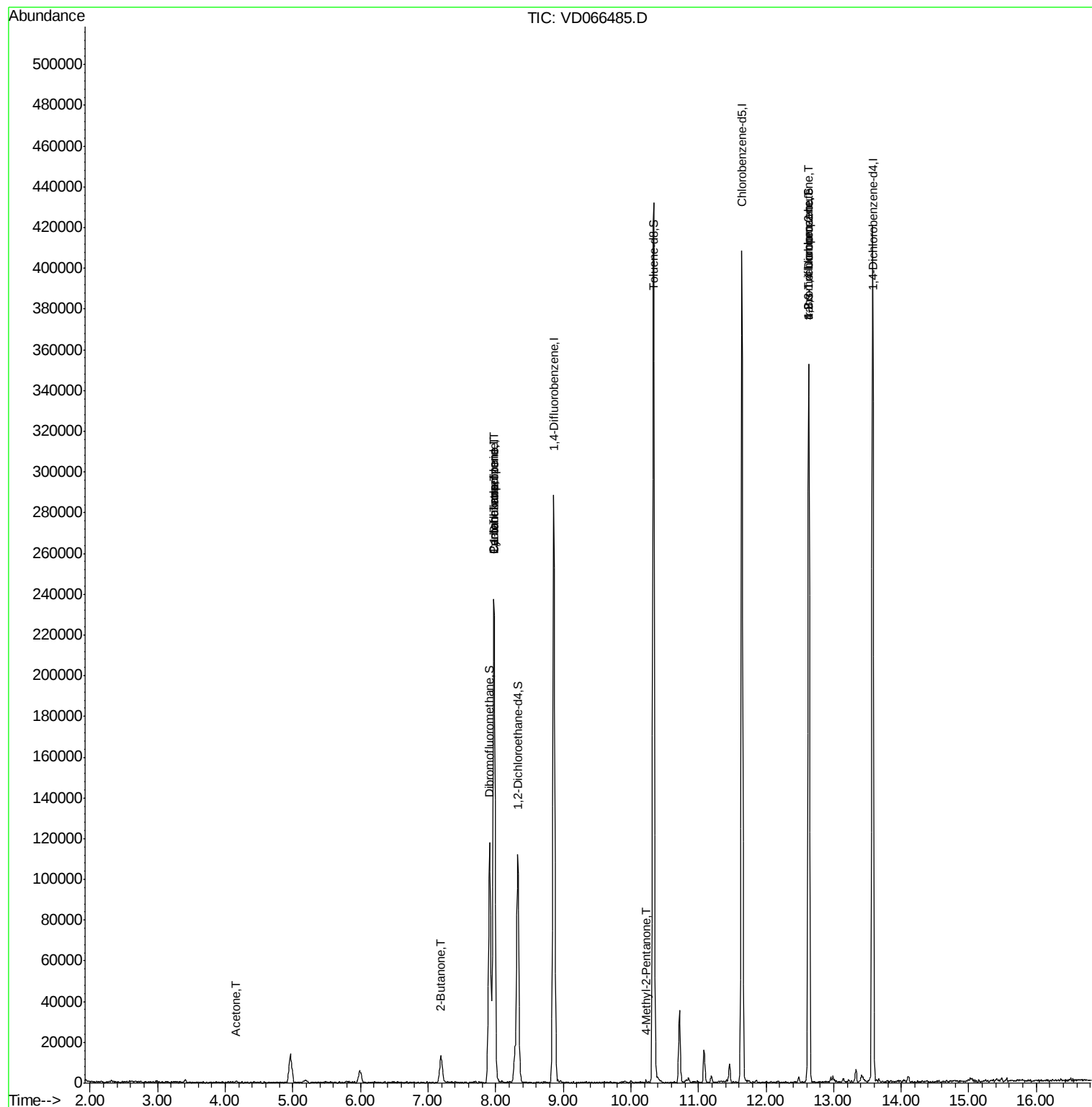
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	99886	57.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.78%	
35) Dibromofluoromethane	7.91	113	77005	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	
50) Toluene-d8	10.34	98	287348	50.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.64	95	98768	48.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.88%	

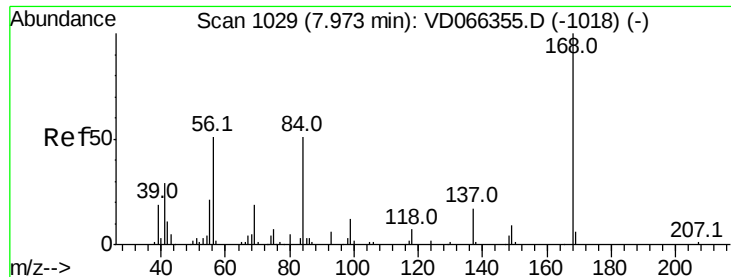
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	191	Below Cal	#	71
16) Acetone	4.16	43	901	2.897	ug/l #	46
20) Methylene Chloride	4.96	84	9786	Below Cal	#	84
25) 2-Butanone	7.20	43	699	1.980	ug/l #	47
31) Cyclohexane	7.98	56	3905	1.630	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	12464	5.496	ug/l #	46
38) Carbon Tetrachloride	7.97	117	17838	6.037	ug/l #	14
51) 4-Methyl-2-Pentanone	10.23	43	849	1.134	ug/l #	70
76) 1,2,3-Trichloropropane	12.63	75	58831	74.537	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	58831	158.217	ug/l #	6

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066485.D

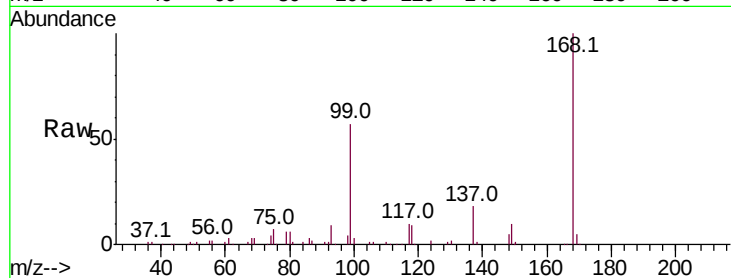
Acq: 31 Aug 2020 16:12

Tot Ion:168 Resp: 175983

Ion Ratio Lower Upper

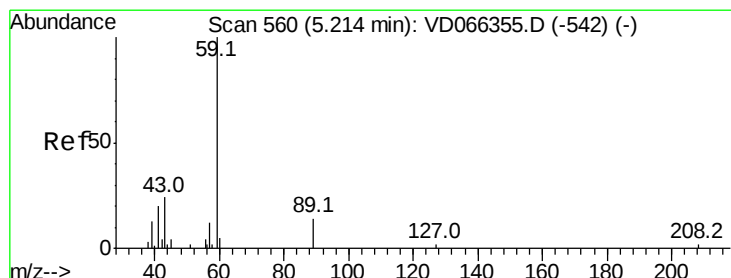
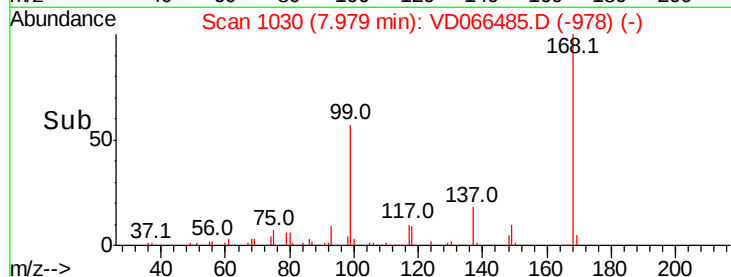
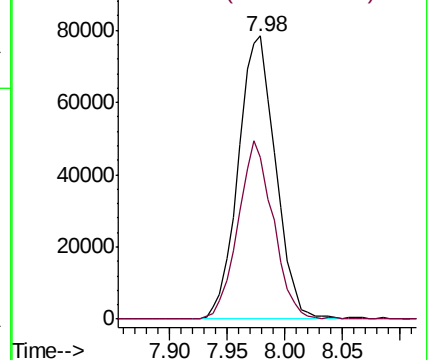
168 100

99 57.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066485.D

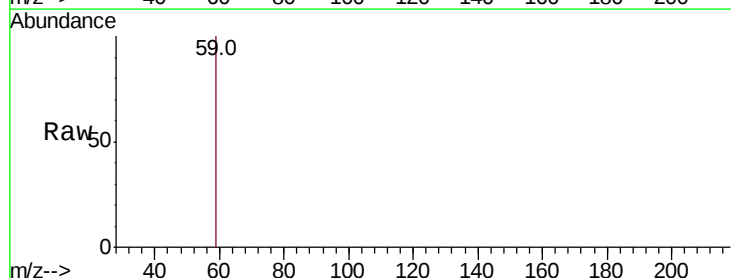
Acq: 31 Aug 2020 16:12

Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

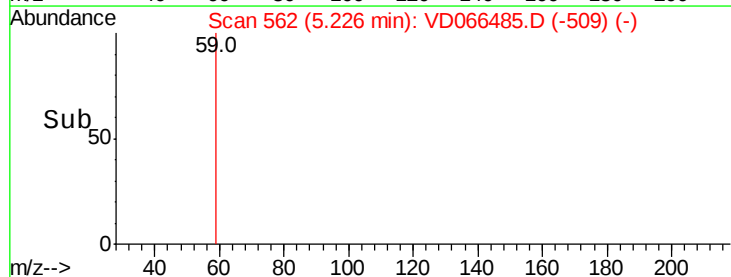
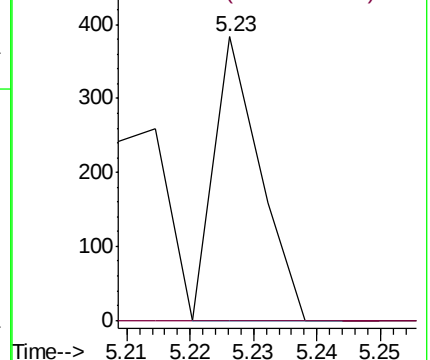
59 100

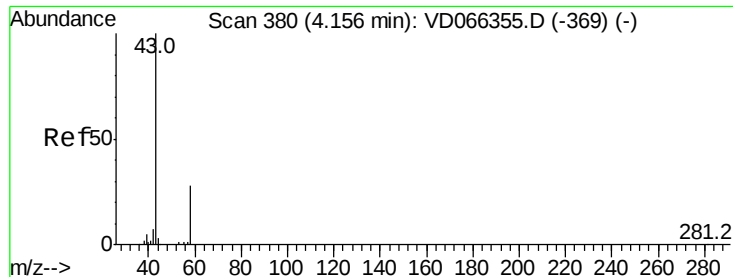
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.897 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066485.D

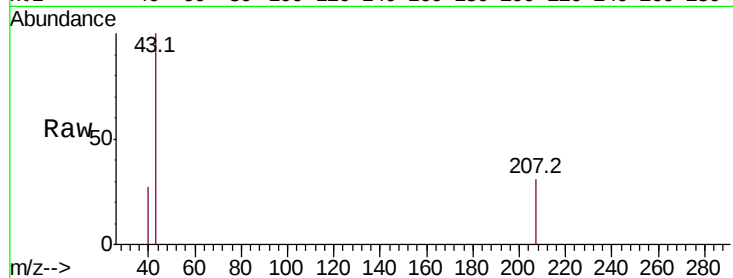
Acq: 31 Aug 2020 16:12

Tot Ion: 43 Resp: 901

Ion Ratio Lower Upper

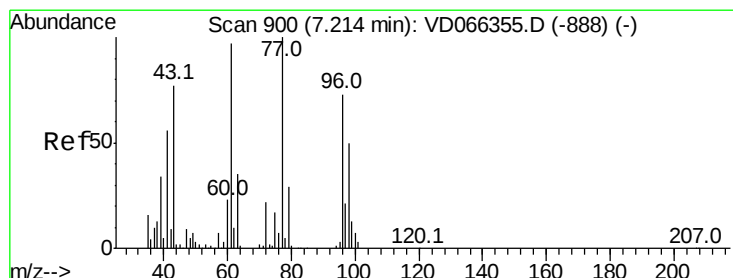
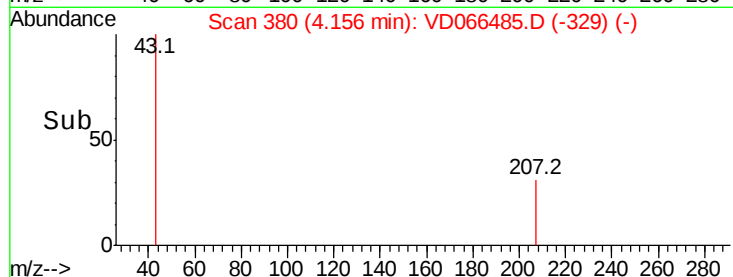
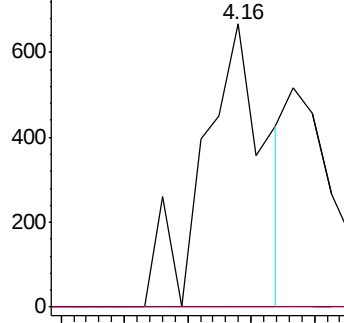
43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 1.980 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066485.D

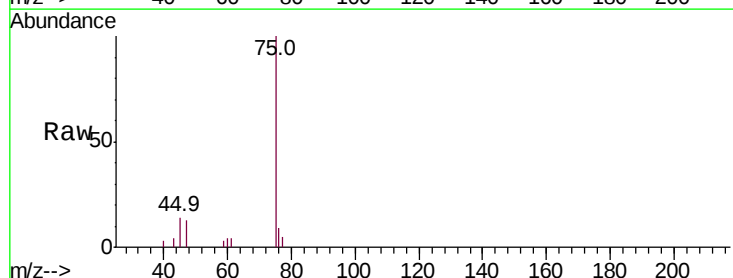
Acq: 31 Aug 2020 16:12

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

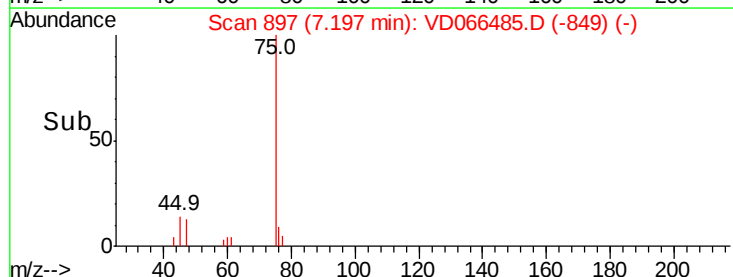
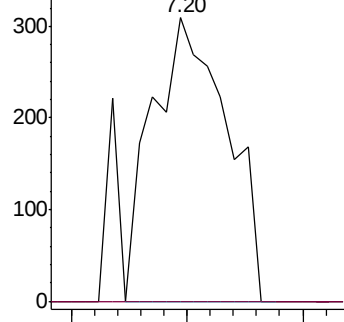
43 100

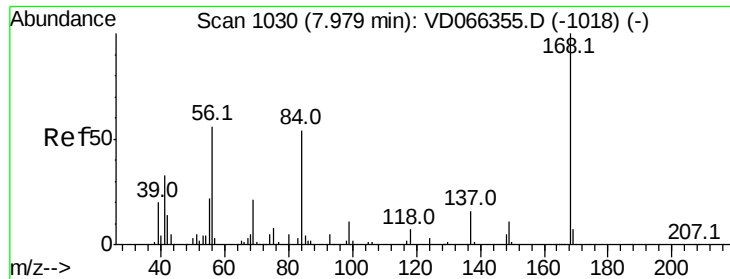
72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

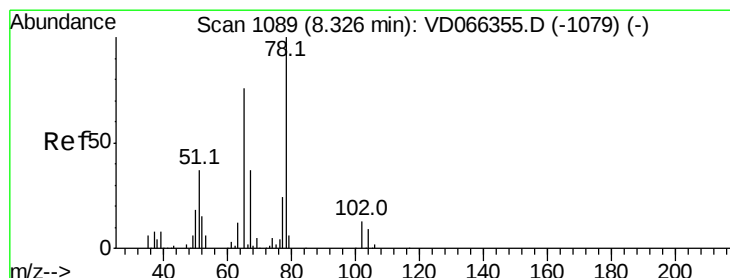
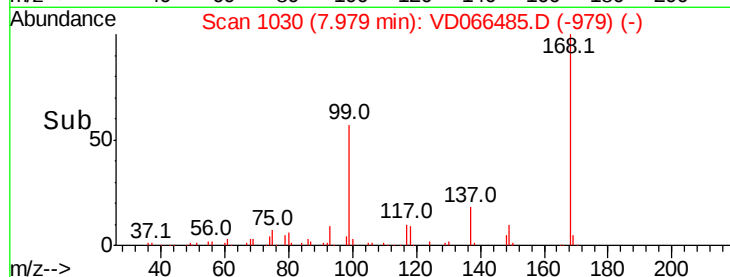
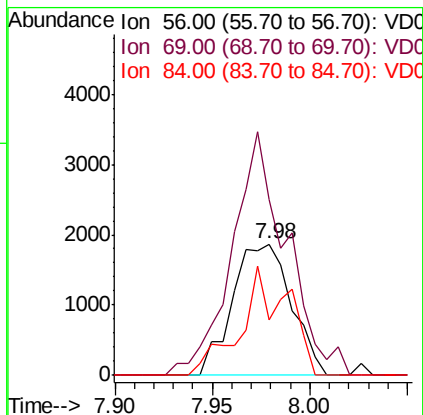
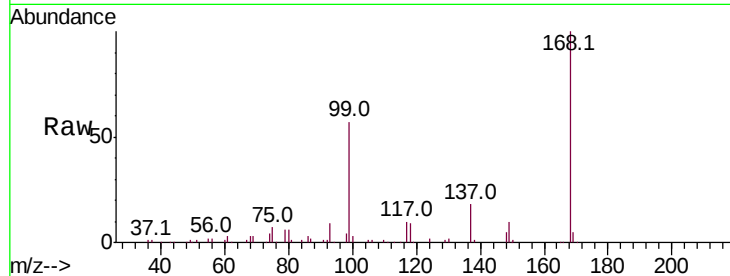
Ion 72.00 (71.70 to 72.70): VDC





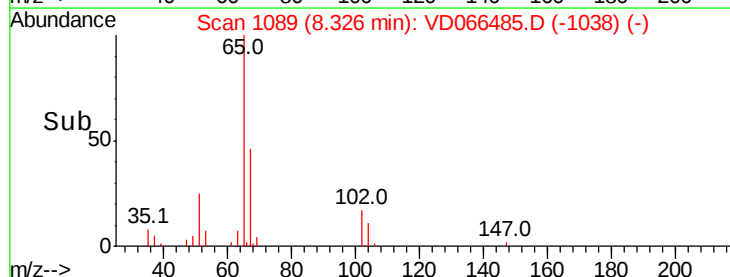
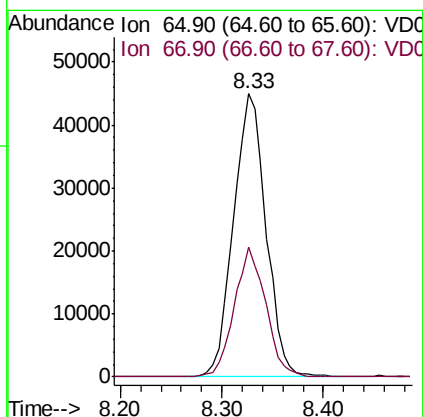
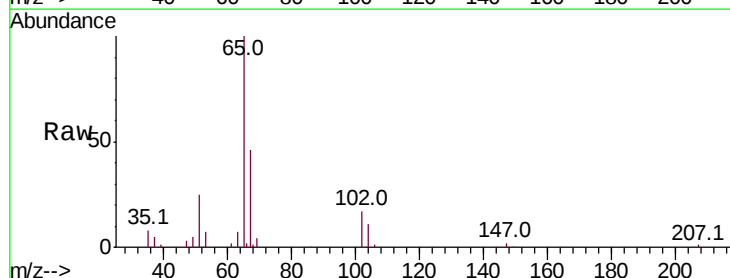
#31
Cyclohexane
Concen: 1.630 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

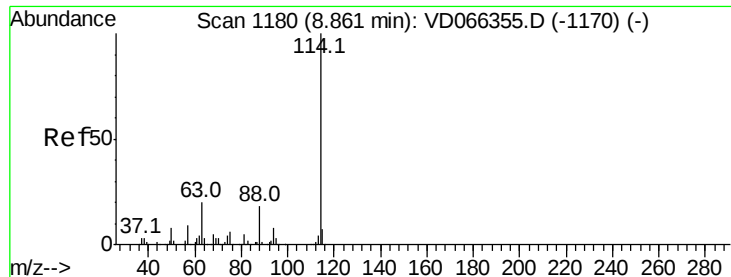
Tot Ion: 56 Resp: 3905
Ion Ratio Lower Upper
56 100
69 124.5 29.6 44.4#
84 42.5 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 57.894 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

Tgt Ion: 65 Resp: 99886
Ion Ratio Lower Upper
65 100
67 44.2 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066485.D

Acq: 31 Aug 2020 16:12

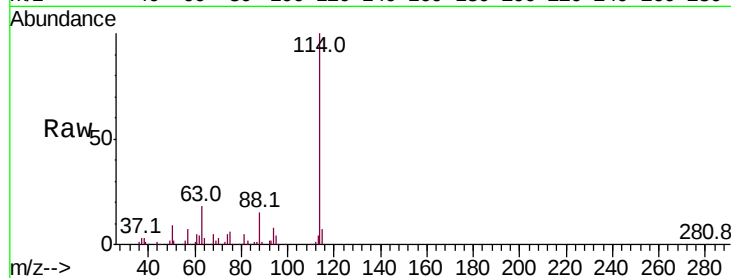
Tot Ion:114 Resp: 248561

Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.8

88 15.3 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

150000

100000

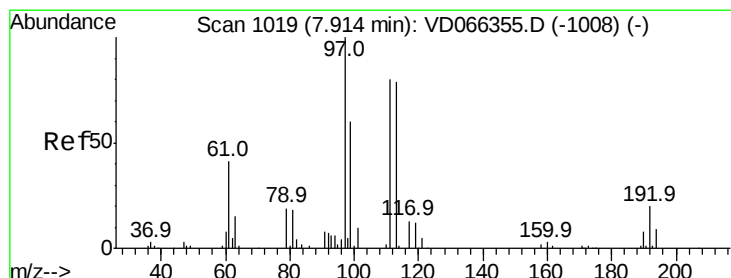
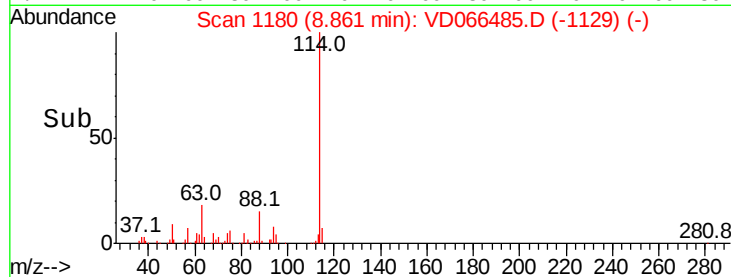
50000

0

8.86

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 49.544 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066485.D

Acq: 31 Aug 2020 16:12

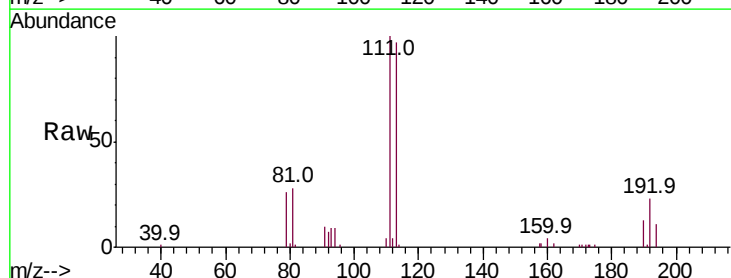
Tgt Ion:113 Resp: 77005

Ion Ratio Lower Upper

113 100

111 103.3 80.3 120.5

192 23.5 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

40000

30000

20000

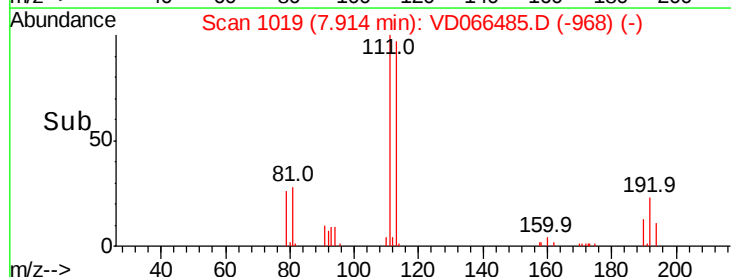
10000

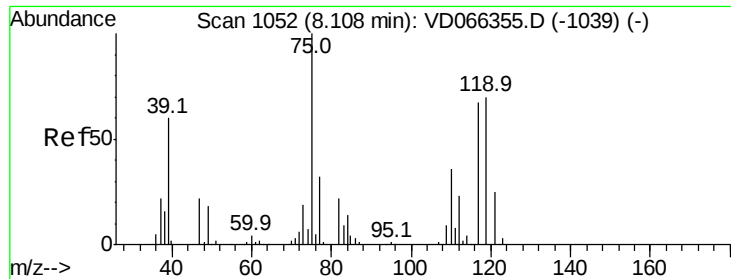
0

7.91

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 5.496 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066485.D

Acq: 31 Aug 2020 16:12

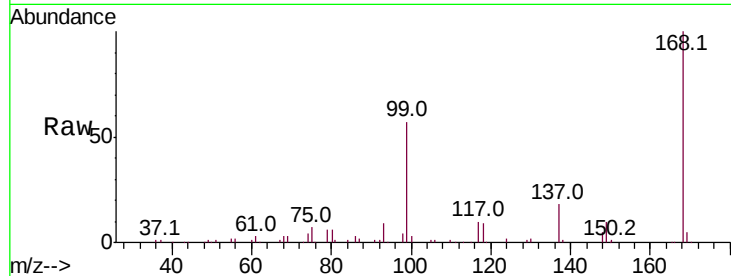
Tot Ion: 75 Resp: 12464

Ion Ratio Lower Upper

75 100

110 6.5 18.7 56.1#

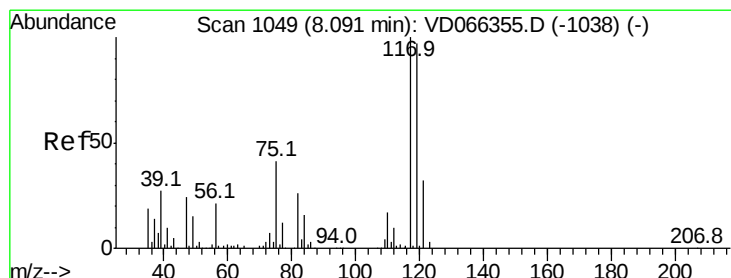
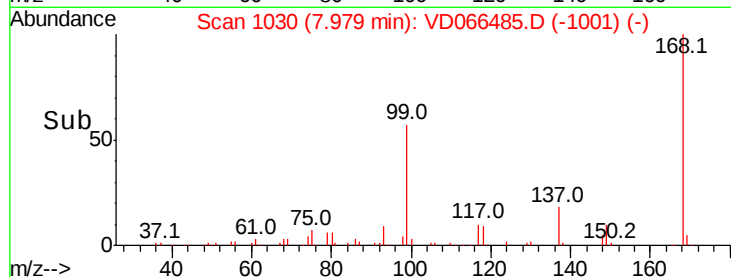
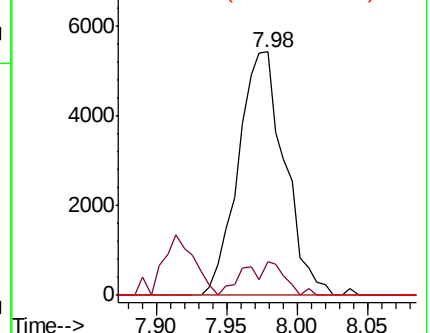
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 6.037 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066485.D

Acq: 31 Aug 2020 16:12

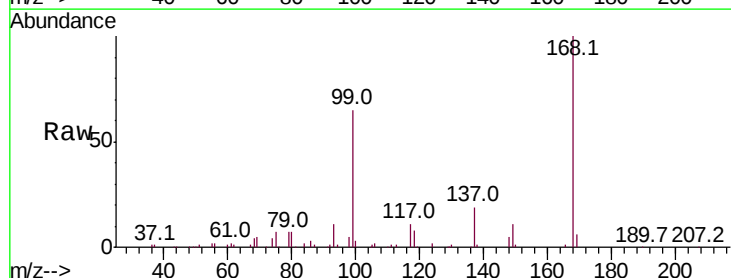
Tgt Ion: 117 Resp: 17838

Ion Ratio Lower Upper

117 100

119 3.4 77.2 115.8#

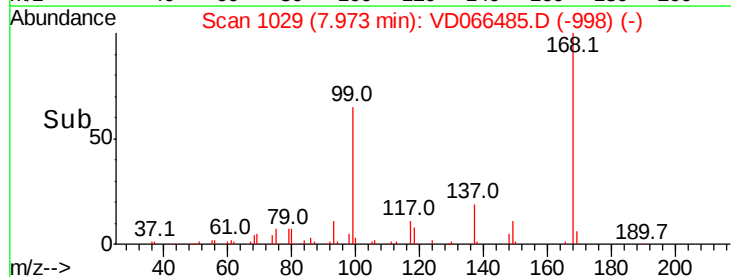
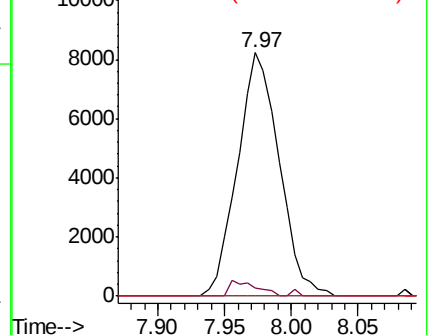
121 0.0 25.8 38.8#

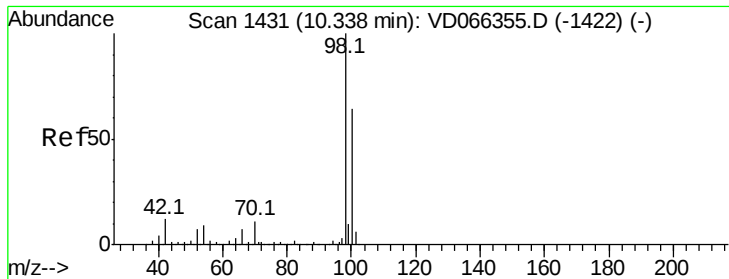


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

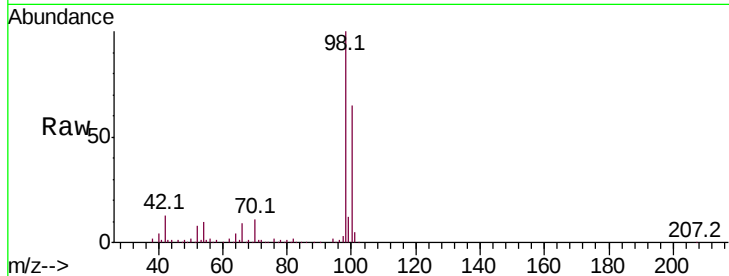
Ion 120.80 (120.50 to 121.50): V



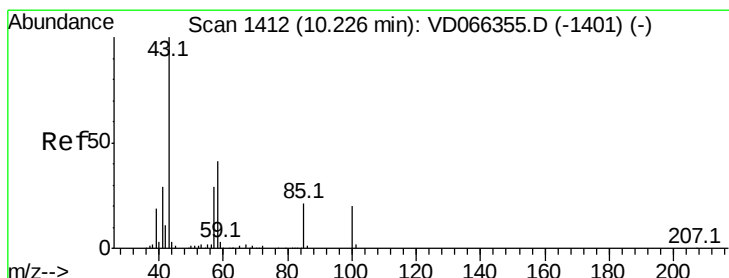
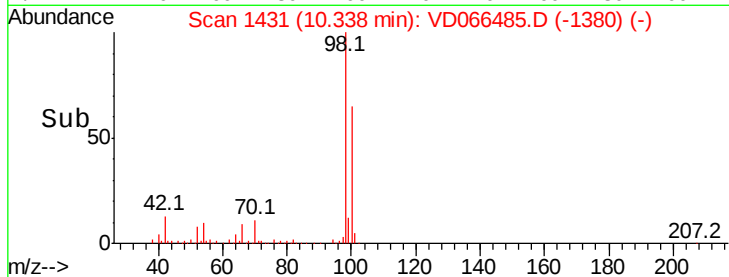
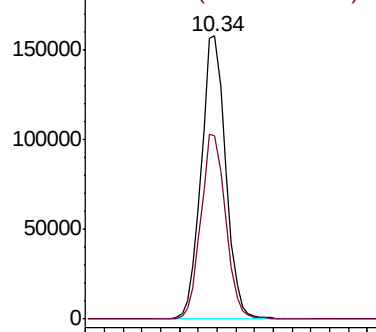


#50
Toluene-d8
Concen: 50.528 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

Tot Ion: 98 Resp: 287348
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

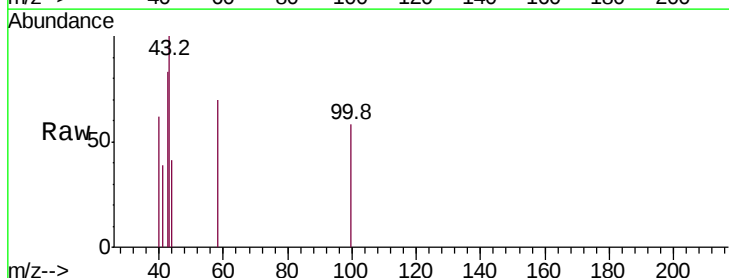


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

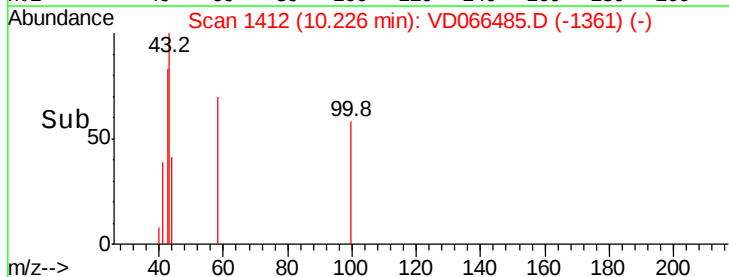
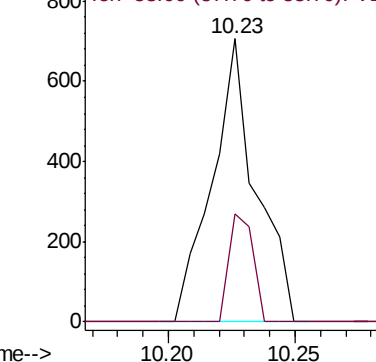


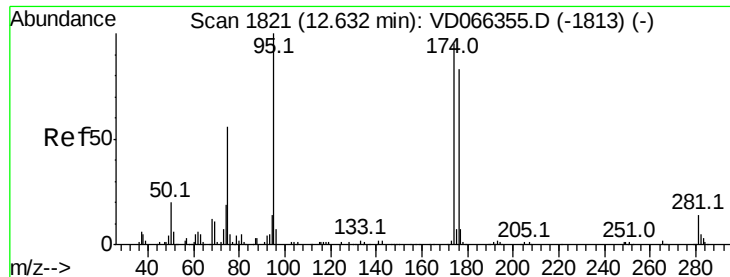
#51
4-Methyl-2-Pentanone
Concen: 1.134 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
58 21.1 31.4 47.2#



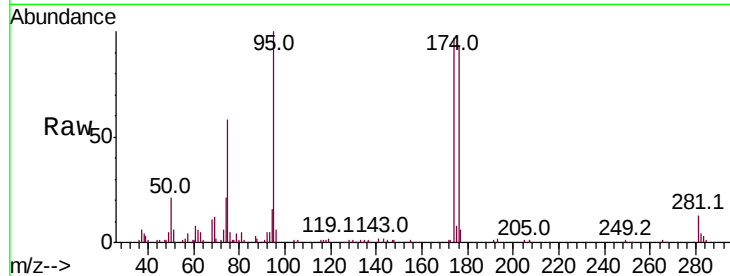
Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



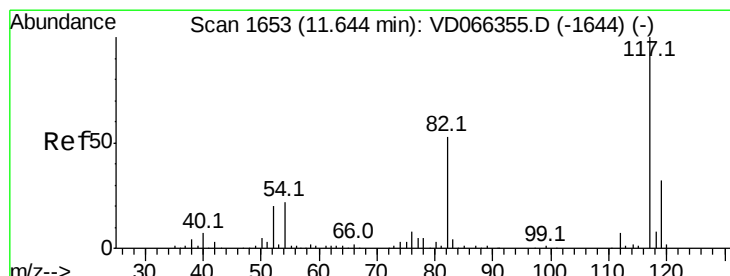
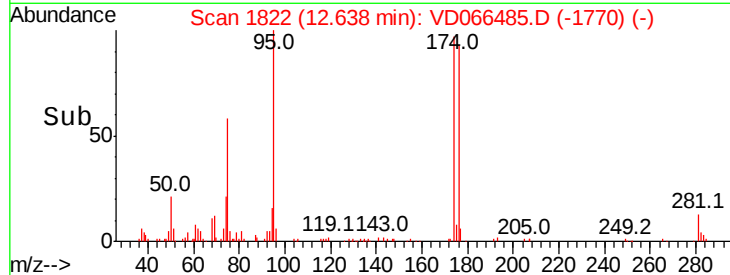
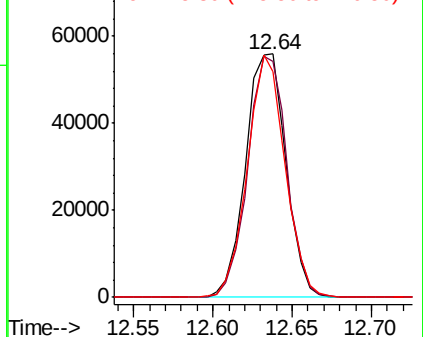


#62
4-Bromofluorobenzene
Concen: 48.945 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

Tot Ion: 95 Resp: 98768
Ion Ratio Lower Upper
95 100
174 96.1 0.0 183.4
176 93.3 0.0 173.8

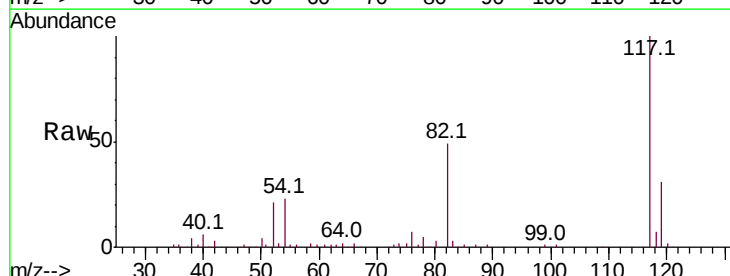


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

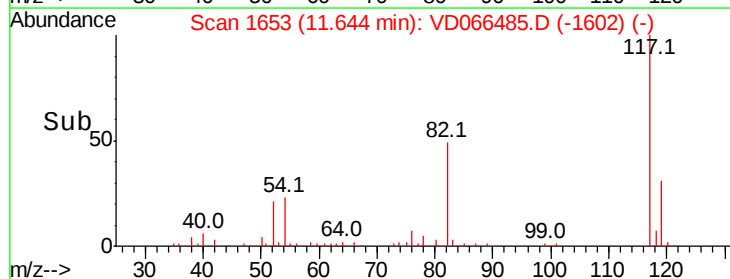
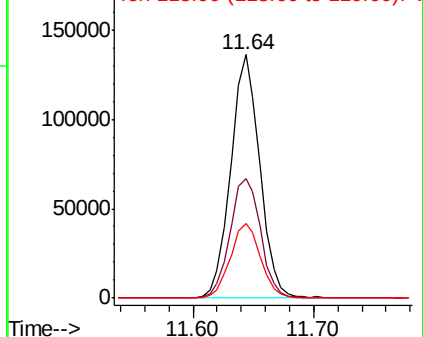


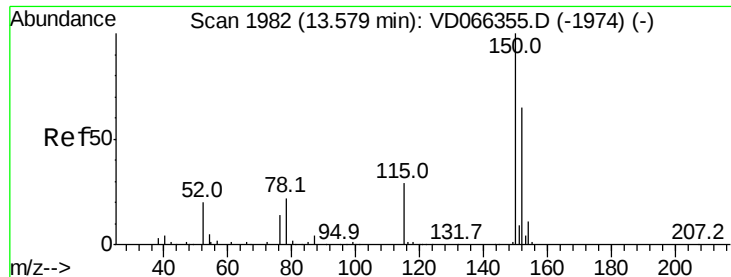
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

Tgt Ion: 117 Resp: 228052
Ion Ratio Lower Upper
117 100
82 49.1 42.8 64.2
119 30.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

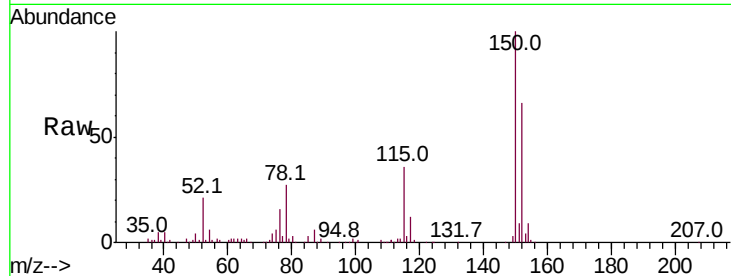




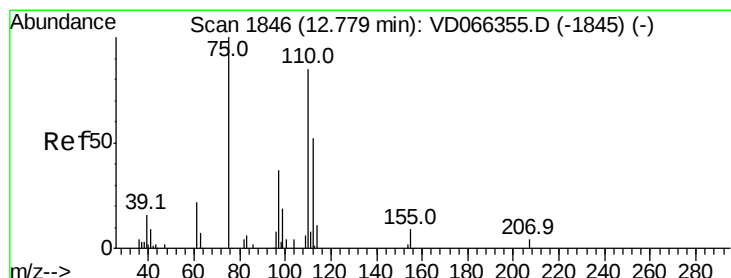
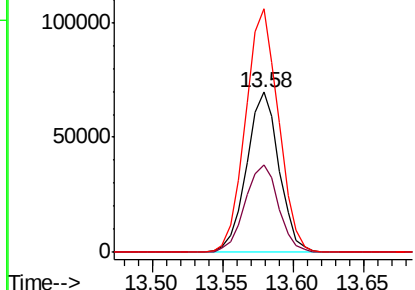
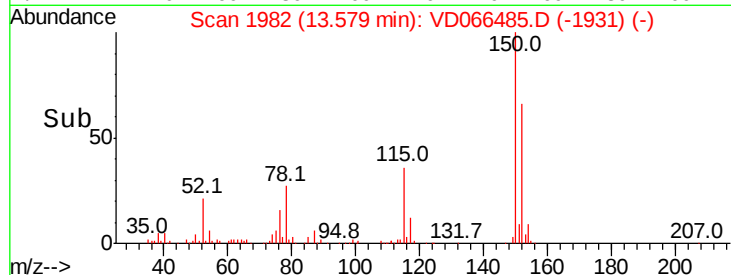
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.3	85.0
150	154.7	0.0	343.2



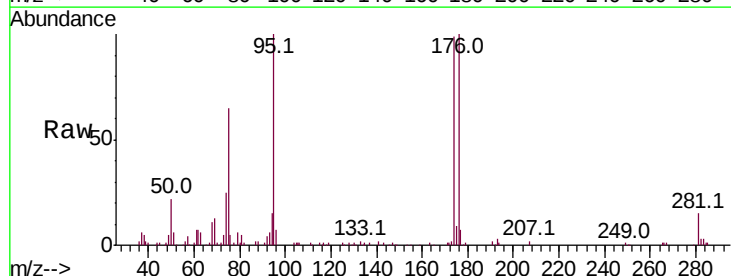
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



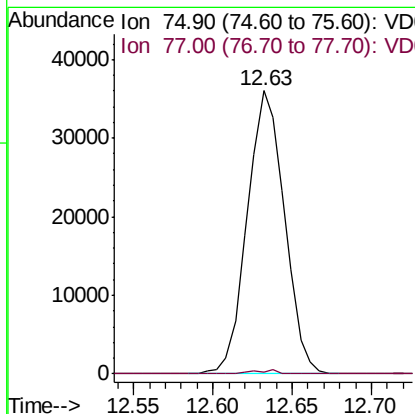
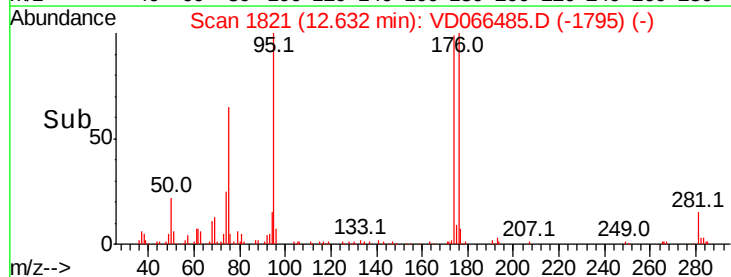
#76

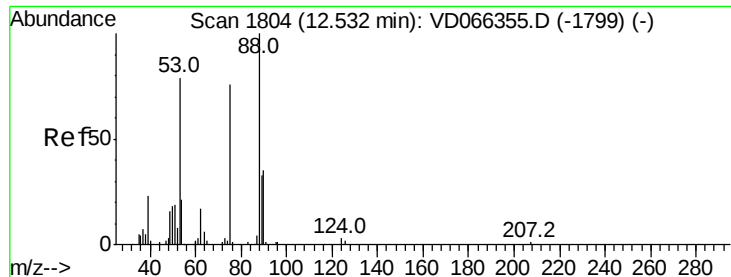
1,2,3-Trichloropropane
Concen: 74.537 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066485.D
Acq: 31 Aug 2020 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	182.9	548.9#



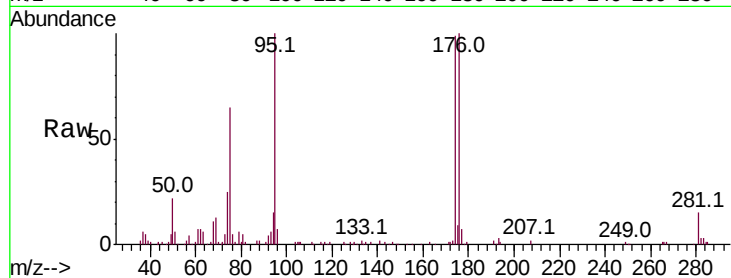
Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.217 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066485.D
 Acq: 31 Aug 2020 16:12

Tot Ion: 75 Resp: 58831
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.4 131.2#
 89 0.0 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 88.90 (88.60 to 89.60): VDC

